



RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/053,641

DATE: 02/07/2002
TIME: 12:25:13

Input Set : A:\EP.txt
Output Set: N:\CRF3\02072002\J053641.raw

ENTERED

3 <110> APPLICANT: Lin, Chieh-Sheng
4 Sun, Yu-Ling
5 Yang, Ping-Cheng
6 Tu, Ching-Fu
7 Wu, Shinn-Chih
9 <120> TITLE OF INVENTION: Expression Vector for Hirudin and Transformed Cells and Transgenic
10 Animals Containing Said Vector
12 <130> FILE REFERENCE: ID0868
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/053,641
C--> 14 <141> CURRENT FILING DATE: 2002-01-18
14 <160> NUMBER OF SEQ ID NOS: 12
16 <170> SOFTWARE: PatentIn version 3.1
18 <210> SEQ ID NO: 1
19 <211> LENGTH: 104
20 <212> TYPE: DNA
21 <213> ORGANISM: Hirudo medicinalis
23 <400> SEQUENCE: 1
24 gatcctttat gggtgtttac actgactgca ctgaatccgg tcagaacctg tgccctgtgcg 60
26 aaggetctaa cgtttgccgc cagggcaaca aatgcatcct gggc 104
29 <210> SEQ ID NO: 2
30 <211> LENGTH: 107
31 <212> TYPE: DNA
32 <213> ORGANISM: Hirudo medicinalis
34 <400> SEQUENCE: 2
35 ctctagagcc caggatgcat ttgttgccct ggccgcaaac gttagagcct tcgcacaggg 60
37 acagggttctg accggattca gtgcagtcag tgtaaacaaac cataaaag 107
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 111
42 <212> TYPE: DNA
43 <213> ORGANISM: Hirudo medicinalis
45 <400> SEQUENCE: 3
46 tctagaggcg aaaaaaatca atgcgttact ggccaaggta ctccacaagg ctttgaatcc 60
48 cggaagaata gaaaccgcag tctccgacga cagaacctgc aataataggg c 111
51 <210> SEQ ID NO: 4
52 <211> LENGTH: 108
53 <212> TYPE: DNA
54 <213> ORGANISM: Hirudo medicinalis
56 <400> SEQUENCE: 4
57 ggccgcccta ttattgcagg tattcttccg ggatttcttc aaagtcgccg tcgttgtag 60
59 actgcggttt cggagtacct tcgccagtaa cgcattgatt tttttcgc 108
62 <210> SEQ ID NO: 5
63 <211> LENGTH: 33
64 <212> TYPE: DNA

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/053,641

DATE: 02/07/2002
TIME: 12:25:13

Input Set : A:\EP.txt
Output Set: N:\CRF3\02072002\J053641.raw

RECEIVED
JUN 20 2002
TECH CENTER 1600/2900

```

65 <213> ORGANISM: Hirudo medicinalis
67 <400> SEQUENCE: 5
68 tcgggatacct ttatgggttg ttacactgac tgc
71 <210> SEQ ID NO: 6
72 <211> LENGTH: 31
73 <212> TYPE: DNA
74 <213> ORGANISM: Hirudo medicinalis
76 <400> SEQUENCE: 6
77 gcctctagag cccaggatgc atttgttgcc c
80 <210> SEQ ID NO: 7
81 <211> LENGTH: 38
82 <212> TYPE: DNA
83 <213> ORGANISM: Hirudo medicinalis
85 <400> SEQUENCE: 7
86 ggctctagag gcgaaaaaaa tcaatgcgtt actggcgca
89 <210> SEQ ID NO: 8
90 <211> LENGTH: 32
91 <212> TYPE: DNA
92 <213> ORGANISM: Hirudo medicinalis
94 <400> SEQUENCE: 8
95 catgcggccg ccctattatt gcaggatttc tt
98 <210> SEQ ID NO: 9
99 <211> LENGTH: 215
100 <212> TYPE: DNA
101 <213> ORGANISM: Hirudo medicinalis
103 <400> SEQUENCE: 9
104 gatacctttat gggtgtttac actgactgca ctgaatccgg tcagaacctg tgctgtgctg
106 aaggctctaa cgtttgccgc cagggaaca aatgcatacct gggctctaga ggcgaaaaaa
108 accagtgcgt tactggcgaa ggtaccccg aaccgcagtc tcacaacgac ggcgacttcg
110 aagaaatccc ggaagaatac ctgcagtaat agggc
113 <210> SEQ ID NO: 10
114 <211> LENGTH: 66
115 <212> TYPE: PRT
116 <213> ORGANISM: Hirudo medicinalis
118 <400> SEQUENCE: 10
120 Met Val Val Tyr Thr Asp Cys Thr Glu Ser Gly Gln Asn Leu Cys Leu
121 1 5 10 15
124 Cys Glu Gly Ser Asn Val Cys Gly Gln Gly Asn Lys Cys Ile Leu Gly
125 20 25 30
128 Ser Arg Gly Glu Lys Asn Gln Cys Val Thr Gly Glu Gly Thr Pro Lys
129 35 40 45
132 Pro Gln Ser His Asn Asp Gly Asp Phe Glu Glu Ile Pro Glu Glu Tyr
133 50 55 60
136 Leu Gln
137 65
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 24
142 <212> TYPE: DNA
143 <213> ORGANISM: mammalian

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/053,641

DATE: 02/07/2002
TIME: 12:25:13

Input Set : A:\EP.txt
Output Set: N:\CRF3\02072002\J053641.raw

145 <400> SEQUENCE: 11	24
146 gcttcctaga accaacacta ccag	
149 <210> SEQ ID NO: 12	
150 <211> LENGTH: 21	
151 <212> TYPE: DNA	
152 <213> ORGANISM: Hirudo medicinalis	
154 <400> SEQUENCE: 12	21
155 gtcgccgtcg ttgtgagact g	

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/053,641

DATE: 02/07/2002

TIME: 12:25:14

Input Set : A:\EP.txt

Output Set: N:\CRF3\02072002\J053641.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date